

**BY ORDER OF THE CHIEF,  
NATIONAL GUARD BUREAU**



**MANPOWER STANDARD 23C1A2**

**28 AUGUST 2003**

***Manpower Standard***

***PROPULSION***

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**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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OPR: ANG/XPME (Mr. G. W. Tatum III)

Certified by: ANG/CS (Col S. Wassermann)

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This Air National Guard Manpower Standard (ANGMS) quantifies the manpower required to accomplish the tasks described in the process oriented description (POD) for varying levels of workload in the 189th Airlift Wing whose mission it is to provide aircrew training for students from each branch of the military that flies the C-130 aircraft and from 27 foreign countries. This standard applies to the 189th Airlift Wing, Little Rock Air Force Base, Arkansas, and encompasses all major processes performed within the Propulsion function. It does not apply to any other units. This standard is applicable to peacetime operations only. The Air National Guard (ANG) is authority for the approval and publication of ANG Manpower Standards. Air Force (AF) and ANG directives contain policy and procedural guidance for the operation of the Propulsion Section. This standard was developed in accordance with AF Instruction (AFI) 38-201, *Determining Manpower Requirements*, and AF Manual (AFMAN) 38-208, Volume 1, *Air Force Management Engineering Program (MEP) Processes*, and AFMAN 38-208, Volume 2, *Air Force Management Engineering Program (MEP) - Quantification Tools*. Send comments and suggested improvements on AF IMT 847, *Recommendation for Change of Publication*, through channels, to ANG, Management Engineering Branch (ANG/XPME/Operating Location TN [OLTN]), 106 Briscoe Drive, McGhee Tyson Air National Guard Base, TN 37777-6283.

**1. STANDARD DATA.**

1.1. Approval Date: 28 August 2003.

1.2. Man-hour Data Sources: The Operational Audit (historical record and technical estimate) technique was used to collect/determine man-hour/manpower data.

1.3. Standard Manpower Equation:  $Y = 491.5 + 156.4X$ .

#### 1.4. Workload Factor.

1.4.1. Title: X= Primary Aircraft Inventory (PAI) engines authorized.

1.4.2. Definition: Number of PAI authorized to support the unit training mission.

1.4.3. Source: Standard Record Account Inventory within the Comprehensive Engine Management System (CEMS) maintained by ANG/LGMM.

#### 1.5. Points of Contact.

1.5.1. Functional: Col John J Samuhel, 189 MX/CC

1.5.2. Manpower: George W. Tatum III, ANG/XPME/OLTN

### 2. Application Instructions.

2.1. Equation. Apply the equation in paragraph 1.3. to determine the required man-hours.

2.2. Man-Hour Availability Factor (MAF). Divide the resulting man-hours by the appropriate MAF/overload factor. The answer, rounded up, will quantify the required manpower.

2.3. Upper and Lower Extrapolation Limits:

2.3.1.  $Y_U = 2178.233$

2.3.2.  $Y_L = 1306.940$

**3. STATEMENT OF CONDITIONS.** The normal hours of operation for this function are 80 hours per two-week period. The alternate work schedule of eight nine hour days, and one eight hour day is the norm. No environmental, equipment, or facility conditions affect this Manpower Standard.

DANIEL JAMES III, Lieutenant General, USAF  
Director, Air National Guard

**Attachment 1**

**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION**

*References*

AFI 38-201 *Determining Manpower Requirements*

AFMAN 38-208, Volume 1, *Air Force Management Engineering Program (MEP)-Process*

AFMAN 38-208, Volume 2, *Air Force Management Engineering Program (MEP)-Quantification Tools*

AFMS 00AA, *Standard Indirect Description*

*Abbreviations and Acronyms*

**AF** - Air Force

**AFMS** - Air Force Manpower Standard

**AGE** - Aerospace Ground Equipment

**ANG** - Air National Guard

**ANGMS** - Air National Guard Manpower Standard

**APU** - Maintains Auxiliary Power Unit

**CAMS** - Core Automated Maintenance System

**CEMS** - Comprehensive Engine Management System

**FOD** - Foreign Object Damage

**GTC** - Gas Turbine Compressor

**IMPACT** - Government Purchase Card

**IMT** - Information Management Tool

**MAF** - Man-Hour Availability Factor

**MEP** - Management Engineering Program

**MSDS** - Materiel Safety Data Sheets

**PMEL** - Precision Measurement Laboratory

**PAI** - Primary Aircraft Authorized

**PD** - Programming Document

**POD** - Process Oriented Description

**RGB** - Reduction Gear Box

**TCTO** - Time Compliance Technical Order

**UMD** - Unit Manpower Document

**UTA** - Unit Training Assembly

### *Terms*

**Air National Guard Manpower Standard (ANGMS).** A numbered, specialized publication that quantifies manpower requirements for a work center, it also includes approved variances. See AFI 38-201.

**Man-Hour.** A unit of measuring work. It is equivalent to one person working at a normal pace for 60 minutes, two people working at a normal pace for 30 minutes, or similar combination of people working at a normal pace for a period of time equal to 60 minutes.

**Manpower Standard.** The basic tool used to determine the minimum level of manpower required to support a function. It is a quantitative expression that represents a work center's man-hour requirements in response to varying levels of workload.

**Process Oriented Description.** A format that shows work center responsibilities structured for easy measurement of work categories, tasks and subtasks.

## Attachment 2

PROCESS ORIENTED DESCRIPTION  
PROPULSION SECTION

Table A2.1. Listing of Functional Processes.

1.	ON EQUIPMENT MAINTENANCE:
1.1.	MAINTAINS TURBOPROP POWER PLANT SYSTEM. Inspects, troubleshoots, and repairs on-equipment.
1.1.1.	MAINTAINS NACELLE SYSTEM:
1.1.1.1.	INSPECTS, TROUBLESHOOTS, REMOVES AND REPLACES COMPONENTS, AND REPAIRS AS NEEDED.
1.1.1.2.	REMOVES AND REPLACES ANTI-ICING VALVES.
1.1.2.	MAINTAINS AIR INDUCTION SYSTEM:
1.1.2.1.	INSPECTS, TROUBLESHOOTS, REMOVES AND REPLACES COMPONENTS, AND REPAIRS AS NEEDED.
1.1.2.2.	REMOVES AND REINSTALLS ACCESS PANELS.
1.1.3.	MAINTAINS EXHAUST SYSTEM.
1.1.3.1.	INSPECTS, REMOVES AND REPLACES TAIL PIPE, AND REPAIRS AS NEEDED.
1.1.3.2.	INSPECTS, REMOVES AND REPLACES EXHAUST CONE, AND REPAIRS AS NEEDED.
1.1.3.3.	INSPECTS, CLEANS, REMOVES AND REPLACES TAILPIPE CLAMPS.
1.1.4.	MAINTAINS IGNITION AND ELECTRICAL SYSTEM:
1.1.4.1.	INSPECTS, TROUBLESHOOTS, REMOVES AND REPLACES COMPONENTS, AND REPAIRS AS NEEDED.
1.1.4.2.	REMOVES AND REPLACES EXCITER UNIT.
1.1.4.3.	REMOVES AND REPLACES IGNITION RELAY.
1.1.4.4.	INSPECTS, REMOVES AND REPLACES IGNIGHTER PLUGS.
1.1.4.5.	TESTS, REMOVES AND REPLACES ANTI-ICING SOLENOID.

1.1.4.6.	INSPECTS, REMOVES AND REPLACES IGNITION HARNESS.
1.1.5.	MAINTAINS IGNITION AND ELECTRICAL SYSTEM:
1.1.5.1.	INSPECTS, TROUBLESHOOT, REMOVES AND REPLACES COMPONENTS, AND RIGS MECHANICAL CONTROLS AS NEEDED.
1.1.5.2.	INSPECTS, TROUBLESHOOT, TESTS, REMOVES AND REPLACES COMPONENTS IN ELECTRICAL CONTROLS SYSTEMS AS NEEDED.
1.1.5.3.	TESTS, REMOVES AND REPLACES COORDINATOR CONTROL.
1.1.5.4.	TESTS, INSPECTS, REMOVE AND REPLACE THERMOCOUPLES.
1.1.5.5.	TESTS, ADJUSTS, REMOVES AND REPLACES TD AMPLIFIER.
1.1.5.6.	TESTS, INSPECTS, REMOVE AND REPLACE THERMOCOUPLE HARNESS.
1.1.6.	MAINTAINS ENGINE STARTER SYSTEM:
1.1.6.1.	TROUBLESHOOT, REMOVES AND REPLACES COMPONENTS AS NEEDED.
1.1.6.2.	SERVICES, REMOVES AND REPLACES STARTER ASSEMBLY.
1.1.6.3.	REMOVES AND REPLACES STARTER CONTROL VALVE.
1.1.7.	MAINTAINS ENGINE INSTRUMENT SYSTEM:
1.1.7.1.	TROUBLESHOOT, ADJUSTS, REMOVES AND REPLACES INDICATORS AND TRANSMITTERS AS REQUIRED.
1.1.7.2.	CALIBRATES TORQUE INDICATOR.
1.1.7.3.	CHECKS FOR ACCURACY OF RPM INDICATOR.
1.1.7.4.	REMOVES AND REPLACES OIL TEMPERATURE BULB.
1.1.7.5.	REMOVES AND REPLACES OIL QUANTITY TRANSMITTER.
1.1.7.6.	REMOVES AND REPLACES QUANTITY TRANSMITTER.
1.1.7.7.	ADJUSTS, REMOVES AND REPLACES OIL PRESSURE TRANSMITTERS.
1.1.8.	REMOVES AND REPLACES ENGINE:

1.1.8.1.	INSPECTS, TROUBLESHOOTS, REMOVES AND REPLACES COMPONENTS, AND REPAIRS AS NEEDED.
1.1.8.2.	REMOVES AND REPLACES ENGINE ASSEMBLY.
1.1.8.3.	INSPECTS, TEARS DOWN AND BUILDS UP, REMOVES AND REPLACES FRONT ENGINE MOUNTS.
1.1.8.4.	INSPECTS, TEARS DOWN AND BUILDS UP, REMOVES AND REPLACES REAR ENGINE MOUNTS.
1.1.9.	MAINTAINS ACCESSORY DRIVE SECTION:
1.1.9.1.	INSPECTS, TROUBLESHOOTS, REMOVES AND REPLACES COMPONENTS, AND REPAIRS AS NEEDED.
1.1.9.2.	REMOVES, INSPECT, CLEANS AND REINSTALLS MAGNETIC PLUG.
1.1.9.3.	REMOVES, CLEANS, TESTS AND REINSTALLS POWER SECTION OIL FILTER.
1.1.9.4.	TESTS, REMOVES AND REPLACES OIL PUMP ASSEMBLY.
1.1.9.5.	REMOVES AND REPLACES EXTERNAL SCAVENGE OIL FILTER.
1.1.9.6.	INSPECTS, REPAIRS, REMOVES AND REPLACES OIL TANK ASSEMBLY.
1.1.9.7.	TESTS, REPAIRS, REMOVES AND REPLACES OIL COOLER ASSEMBLY.
1.1.9.8.	REMOVES AND REPLACES OIL THERMOSTATS.
1.1.9.9.	DRAINS AND SERVICES OIL SYSTEM.
1.1.10.	MAINTAINS COMPRESSOR SECTION:
1.1.10.1.	INSPECTS, CLEANS AND RESEALS AS REQUIRED.
1.1.10.2.	BLENDS COMPRESSOR BLADES.
1.1.11.	MAINTAINS COMBUSTION SECTION:
1.1.11.1.	INSPECTS, REMOVES AND REPLACES COMPONENTS AS REQUIRED.
1.1.11.2.	INSPECTS, REMOVES AND REPLACES COMBUSTION LINERS.
1.1.11.3.	TESTS, INSPECTS AND REPAIRS COMPRESSOR BLEED VALVES.

1.1.11.4.	TESTS, REMOVES AND REPLACES SPEED SENSITIVE VALVE.
1.1.12.	MAINTAINS TURBINE SECTION:
1.1.12.1.	REMOVES, DISASSEMBLES, INSPECTS, REPLACES, ASSEMBLES AND INSTALLS TURBINE SECTION COMPONENTS.
1.1.12.2.	INSPECTS, REMOVES AND REPLACES TURBINE ROTOR.
1.1.12.3.	INSPECTS, RESEALS, REMOVES AND REPLACES REAR TURBINE BEARING SUPPORT.
1.1.12.4.	INSPECTS, REMOVES AND REPLACES 1ST, 2ND, 3RD, 4TH TURBINE NOZZLE VANES.
1.1.12.5.	INSPECTS, REMOVES AND REPLACES TURBINE BEARINGS.
1.1.13.	MAINTAINS FUEL SYSTEM:
1.1.13.1.	INSPECTS, TROUBLESHOOTS, REMOVES AND REPLACES COMPONENTS, AND REPAIRS AS NEEDED.
1.1.13.2.	REMOVES, INSPECTS, CLEANS, REPLACES, AND INSTALLS ALL MAIN FUEL SYSTEM FILTERS.
1.1.13.3.	INSPECTS, REMOVES, REPLACES, AND INSTALLS ALL MAIN FUEL SYSTEM HOSES.
1.1.13.4.	REMOVES AND REPLACES FUEL CONTROL.
1.1.13.5.	REMOVES AND REPLACES MAIN FUEL PUMP.
1.1.13.6.	REMOVES, CLEANS, TESTS, INSPECTS AND INSTALLS FUEL NOZZELS.
1.1.13.7.	TESTS, REMOVES AND REPLACES ENGINE FUEL SHUT OFF VALVE.
1.1.13.8.	TESTS, ADJUSTS, REMOVES AND REPLACES TEMPERATURE DATUM VALVE.
1.1.13.9.	TESTS, REMOVES AND REPLACES PARALLELING VALVE.
1.1.14.	MAINTAINS REDUCTION GEAR SYSTEM:
1.1.14.1.	INSPECTS, TROUBLESHOOTS, REMOVES AND REPLACES Reduction Gear Box (RGB) ASSEMBLY AND VARIOUS COMPONENTS.
1.1.14.2.	REMOVES AND REPLACES PROP SHAFT GARLOC SEAL.



1.1.14.3.	REMOVES AND REPLACES TACH AND OIL PUMP DRIVE GEAR.
1.1.14.4.	REMOVES AND REPLACES PROPELLER BRAKE ASSEMBLY.
1.1.14.5.	TROUBLESHOOTS, TESTS, ADJUSTS, REMOVES AND REPLACES RGB OIL PUMP.
1.1.14.6.	REMOVES, INSPECTS, CLEANS AND REINSTALLS RGB OIL FILTER.
1.1.14.7.	INSPECTS, REMOVES AND REPLACES STRUT ASSEMBLY.
1.1.14.8.	REMOVES, INSPECTS AND REINSTALLS MAGNETIC DRAIN PLUGS.
1.1.14.9.	REMOVES AND REPLACES PROP CONTROL ARM.
1.1.14.10.	REMOVES, INSPECTS, REPAIRS AND REINSTALLS PROP CONTROL BRACKET ASSEMBLY.
1.1.14.11.	TROUBLESHOOTS, INSPECTS, REPAIRS AND REPLACES VARIOUS COMPONENTS IN THE NTS SYSTEM.
1.1.15.	MAINTAINS TORQUE METER ASSEMBLY:
1.1.15.1.	TESTS, INSPECTS, REMOVES AND REPLACES TORQUE METER ASSEMBLY.
1.1.15.2.	INSPECTS, REMOVES AND REPLACES TORQUE METER PICKUP.
1.1.15.3.	REMOVES, INSPECTS AND REPLACES MID-SHAFT BEARING.
1.1.16.	MAINTAINS TURBINE MODULE. Inspects, removes and replaces turbine module.
1.1.17.	MAINTAINS BLEED AIR DUCTING. Inspects, leak checks, removes and replaces air ducting as required.
1.1.18.	MAINTAINS ENGINE GENERATOR. Inspects, removes and installs engine generator.
1.1.19.	MAINTAINS HYDRAULIC PUMP. Inspects, removes and replaces engine hydraulic pump.
1.1.20.	MAINTAINS FUEL FLOW TRANSMITTER. Inspects, removes and replaces fuel flow transmitter.
1.2.	MAINTAINS AUXILLARY POWER UNIT (APU) GAS TURBINE COMPRESSOR (GTC):

1.2.1.	INSPECTS, TROUBLESHOOTS, TESTS, REMOVES AND REPLACES GTC ASSEMBLY, VARIOUS COMPONENTS REMOVED AND REPLACED, AND REPAIRS AS NEEDED.
1.2.2.	TESTS, ADJUSTS, REMOVES AND REPLACES FUEL PUMP CONTROL.
1.2.3.	REMOVES AND REPLACES FUEL FILTERS.
1.2.4.	REMOVES, INSPECTS, CLEANS, TESTS AND INSTALLS FUEL ATOMIZER.
1.2.5.	ADJUSTS, REMOVES AND REPLACES OIL PUMP ASSEMBLY.
1.2.6.	RESEALS COOLING FAN SHAFT ASSEMBLY.
1.2.7.	REMOVES AND REPLACES SOLENOID OIL DRAIN VALVE.
1.2.8.	REMOVES AND REPLACES OIL FILTERS.
1.2.9.	DRAINS AND SERVICES OIL SYSTEM.
1.2.10.	REMOVES AND REPLACES OIL COOLER.
1.2.11.	INSPECTS, REMOVES, RESEALS AND INSTALLS PLENUM.
1.2.12.	REMOVES AND REPLACES ACCESSORY DRIVE CASE.
1.2.13.	REMOVES, ADJUSTS, REPLACES CENTRIFUGAL SWITCH.
1.2.14.	REMOVES AND REPLACES IGNITION UNIT.
1.2.15.	REMOVES, TESTS, ADJUSTS AND REPLACES STARTER.
1.2.16.	REMOVES, INSPECTS AND REPLACES IGNIGHTER PLUGS.
1.2.17.	PERFORMS APU GTC TEST CELL RUN-UP:
1.2.17.1.	PERFORMS PRE-OPERATIONAL CHECKS OF GTC ON TEST STAND.
1.2.17.2.	REMOVES AND INSTALLS GTC ON TEST STAND.
1.2.17.3.	EVALUATES GTC PERFORMANCE.
1.2.17.4.	PERFORMS POST-OPERATIONAL CHECKS OF GTC ON TEST STAND.
1.3.	MAINTAINS PROPELLER INSTALLATION ASSEMBLY:
1.3.1.	INSPECTS, TESTS, TROUBLESHOOTS, REMOVES AND REPLACES PROPELLERS, AND REPAIRS AS NEEDED.

1.3.2.	TESTS, INSPECTS, SERVICES, TROUBLESHOOTS, DISASSEMBLES, REPAIRS, ASSEMBLES, ADJUSTS, RIGS, PERFORMS OPERATIONAL CHECKS, INSPECTS BLADES AND REPAIRS BLADES ON PROPELLER ASSEMBLY.
1.3.3.	REMOVES, INSPECTS, REPAIRS, TEST AND INSTALLS PUMP HOUSING CONTROL ASSEMBLY.
1.3.4.	REMOVES, INSPECTS, REPAIRS, TESTS, INSTALLS, RIGS AND ADJUSTS VALVE-HOUSING ASSEMBLY.
1.3.5.	REMOVES AND REPLACES PROPELLER DOME PISTON SEALS.
1.3.6.	REMOVES, INSPECTS, CLEANS AND INSTALLS PROPELLER FILTER.
1.3.7.	REMOVES, RESEALS AND REPLACES PITCH LOCK REGULATOR.
1.3.8.	REMOVES, RESEALS, ADJUSTS AND INSTALLS LOW PITCH STOP ASSEMBLY AND REPLACES IF REQUIRED.
1.3.9.	ADJUSTS NTS BRACKET.
1.3.10.	REMOVES, INSPECTS, REPAIRS AND INSTALLS BRUSH BLOCKS.
1.3.11.	TROUBLESHOOTS SYNCHROPHASER AND ITS SYSTEM USING TEST EQUIPMENT AND REMOVES/REPLACES SYNCHROPHASER AS REQUIRED.
1.3.12.	REMOVES AND REPLACES AUXILIARY MOTOR.
1.3.13.	PERFORMS PROPELLER BALANCING USING TEAST EQUIPMENT.
1.4.	MAINTAINS PROPELLER ANTI-ICING AND DE-ICING SYSTEM:
1.4.1.	INSPECTS, TROUBLESHOOTS, REMOVES AND REPLACES COMPONENTS, AND REPAIRS AS NEEDED.
1.4.2.	REMOVES, INSPECTS, TESTS, REPAIRS AND INSTALLS AFTER BODY ASSEMBLY.
1.4.3.	REMOVES, INSPECTS, TESTS, REPAIRS AND INSTALLS SPINNER ASSEMBLY.
1.4.4.	INSPECTS, TESTS, REPAIRS AND REPLACES PROP BLADE HEATER BOOTS.
2.	PERFORMS SCHEDULED INSPECTION:

2.1.	PERFORMS SPECIAL INSPECTION:
2.1.1.	OVER TORQUE INSPECTIONS.
2.1.2.	OVER TEMPERATURE INSPECTIONS.
2.1.3.	OVER SPEED INSPECTIONS.
2.1.4.	HARD LANDING INSPECTIONS.
2.1.5.	BIRD STRIKES.
2.1.6.	INLET AIR BLOCKAGE INSPECTION.
2.1.7.	ENGINE CHANGE INSPECTION.
2.1.8.	ENGINE PERFORMANCE CHECKS.
2.1.9.	HOT START INSPECTIONS.
2.1.10.	ENGINE FLAMEOUT OR STALL INSPECTION.
2.1.11.	PROPELLER BALANCING.
2.1.12.	VIBRATION ANALYSIS.
2.2.	PERFORMS ISOCHRONAL INSPECTION. Complies with all engine, propeller and GTC isochronal inspection work card items.
2.3.	PERFORMS HOME STATION CHECK. Complies with all engine home station work card items.
3.	SHOP SUPPORT GENERAL CODE: Performs inspections and maintenance on assigned shop equipment.
3.1.	PERFORMS GROUND HANDLING:
3.1.1.	ASSISTS WITH TOWING OF AIRCRAFT.
3.1.2.	GROUND OBSERVER DURING ENGINE RUNS.
3.2.	PERFORMS AIRCRAFT CLEANING. Cleans engine nacelles and engines.
3.3.	PREPARES ENGINE/PROPELLER FOR PRESERVATION, DEPRESERVATION, STORAGE OR SHIPMENT. De-preserves/preserves engine fuel system for shipment, storage or use.

3.4.	PERFORMS GENERAL SHOP SUPPORT. Performs shop support task to include local manufactured items.
3.5.	PERFORMS TEST CELL RUN-UP:
3.5.1.	INSTALLS ENGINE ON TEST STAND.
3.5.2.	PERFORMS PRE-OPERATIONAL CHECKS.
3.5.3.	PERFORMS OPERATIONAL CHECKS OF ENGINE ON TEST STAND.
3.5.4.	EVALUATES ENGINE PERFORMANCE.
3.5.5.	ADJUSTS ENGINE COMPONENTS.
3.5.6.	PERFORMS POST-OPERATIONAL CHECKS.
3.5.7.	REMOVES ENGINE FROM TEST STAND.
3.5.8.	OPERATES, INSPECTS AND MAINTAINS ENGINE TEST STAND.
3.6.	PERFORMS AIRCRAFT RUN-UP:
3.6.1.	PERFORMS PRE-OPERATIONAL CHECKS.
3.6.2.	PERFORMS OPERATIONAL CHECKS OF ENGINE AND PROPELLER.
3.6.3.	EVALUATES ENGINE PERFORMANCE.
3.6.4.	ADJUSTS ENGINE AND PROPELLER COMPONENTS.
3.6.5.	PERFORMS POST-OPERATIONAL CHECKS.
4.	TIME COMPLIANCE TECHNICAL ORDER (TCTO). Performs maintenance required on/off the aircraft in accordance with applicable TCTO and completes documentation.
5.	SPECIAL PLANNING OR SCHEDULING. Performs planning or scheduling associated with preparation for unit training assembly (UTA), annual tour, mobility/deployment participation, or other special programs.
6.	TRAVEL. Travel associated with the C-130 mission and in technician status to and from workshops, conferences, and meetings.
7.	CORE AUTOMATED MAINTENANCE SYSTEM (CAMS). Makes input to CAMS. Retrieves, analyzes and reconciles data.

8.	HAZARDOUS WASTE PROGRAM MANAGEMENT:
8.1.	PROCESSES HAZARDOUS WASTE. Identifies, labels, contains, and disposes of hazardous waste.
8.2.	MAINTAINS COLLECTION FACILITY. Maintains hazardous waste accumulation point, satellite collection area, and container.
8.3.	MAINTAINS PROTECTIVE EQUIPMENT. Inspects and maintains protective equipment.
9.	FOREIGN OBJECT DAMAGE (FOD) WALK/INSPECTION. Performs FOD walk around maintenance complex and runway for debris.
10.	PRESION MEASUREMENT LABORATORY (PMEL). Maintains PMEL items. Cleans, inspects and stores. Maintains PMEL calibration schedule log.
11.	BENCH STOCK:
11.1.	MAINTAINS BENCH STOCK. Determines requirements, orders bench stock, obtains parts from Supply, stores in bin upon receipt, and maintains required documentation.
11.2.	PERFORMS ANNUAL BENCH STOCK REVIEW. Performs annual bench stock quantity requirements.
12.	NON-POWERED AEROSPACE GROUND EQUIPMENT (AGE)/SHOP INDUSTRIAL EQUIPMENT. Inspects and repairs non-powered AGE and shop industrial equipment.
13.	MATERIEL SAFETY DATA SHEETS (MSDS). Updates MSDS file to maintain serviceability.
14.	TECHNICAL DATA SUB ACCOUNT MAINTENANCE:
14.1.	RECEIVES AND POSTS TECHNICAL DATA SUPPLEMENTS AND CHANGES.
14.2.	MAINTAINS AND INVENTORIES FILE FOR SERVICEABILITY.
15.	AIRCREW DEBRIEFING. Conducts aircrew debriefing, and completes appropriate documentation.
16.	GOVERNMENT PURCHASE CARD (IMPACT). Places orders from vendors using IMPACT card and reconciles purchase records.
17.	UNIT TRAINING ASSEMBLY (UTA) PREPARATION.

10.	INDIRECT. Indirect work involves those tasks that are not readily identifiable with the work center's specific product or service. The major categories of standard indirect work are: Administers Civilian, Officer, and Enlisted Personnel; Directs Work Center Activity; Provides Administrative Support; Prepares for and Conducts/Attends Meeting; Administers Training; Manages Supplies; Maintains Equipment; and Performs Cleanup.
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**Attachment 3****MANPOWER TABLE****A3.1. Standard Manpower Table**

<b>Air Force Specialty Title</b>	<b>AFSC</b>	<b>Grade</b>	<b>Manpower Requirement</b>					
Aerosp Prop Supvr	2AXXX	Civ	2	2	2	2	2	2
Aerosp Prop Mech	2A671B	Civ	7	8	9	10	11	12
Total			9	10	11	12	13	14

**NOTE.** AFSCs may be adjusted at the discretion of the Commander.